

**RCCB 4P 40A 300mA AC S Class**

**Technical Features**

**Architecture**

|              |      |
|--------------|------|
| Type of pole | 3P+N |
|--------------|------|

**Electric current**

|                                                                                |         |
|--------------------------------------------------------------------------------|---------|
| Rated current                                                                  | 40 A    |
| Rated residual operating current I <sub>dn</sub>                               | 300 mA  |
| Breaking and opening capacity I <sub>dm</sub>                                  | 0.63 kA |
| Rated conditional short-circuit current I <sub>nc</sub> according to EN61008-1 | 10 kA   |
| Rated current -25°C                                                            | 40 A    |
| Rated current at -20°C                                                         | 40 A    |
| Rated current -15°C                                                            | 40 A    |
| Rated current -10°C                                                            | 40 A    |
| Rated current -5°C                                                             | 40 A    |
| Rated current at 0°C                                                           | 40 A    |
| Rated current 5°C                                                              | 40 A    |
| Rated current 10°C                                                             | 40 A    |
| Rated current 15°C                                                             | 40 A    |
| Rated current at 20°C                                                          | 40 A    |
| Rated current 25°C                                                             | 40 A    |
| Rated current 30°C                                                             | 40 A    |
| Rated current 35°C                                                             | 40 A    |
| Rated current at 40°C                                                          | 40 A    |
| Rated current at 45°C                                                          | 40 A    |
| Rated current at 50°C                                                          | 40 A    |
| Rated current 55°C                                                             | 40 A    |
| Rated current 60°C                                                             | 40 A    |
| Rated current 65°C                                                             | 40 A    |
| Rated current 70°C                                                             | 40 A    |

**Installation, mounting**

|                                         |                |
|-----------------------------------------|----------------|
| Nominal tightening torque top terminal  | 2.80 - 2.80 Nm |
| Nominal tightening torque down terminal | 2.80 - 2.80 Nm |

**Voltage**

|                                                  |             |
|--------------------------------------------------|-------------|
| Rated operational voltage U <sub>e</sub>         | 230 - 400 V |
| Type voltage supply                              | AC          |
| Rated insulation voltage U <sub>i</sub>          | 500 V       |
| Rated impulse withstand voltage U <sub>imp</sub> | 4000 V      |
| Max. operating voltage                           | 440 V       |

**Frequency**

|           |            |
|-----------|------------|
| Frequency | 50 - 50 Hz |
|-----------|------------|

**Capacity**

|                   |   |
|-------------------|---|
| Number of modules | 4 |
|-------------------|---|

**Compatibility**

|                       |     |
|-----------------------|-----|
| Suitable for DIN Rail | Yes |
|-----------------------|-----|

**Safety**

|                               |        |
|-------------------------------|--------|
| Residual current type         | AC SEL |
| Ingress Protection (IP) class | IP20   |

**Installation, mounting**

|                                               |                |
|-----------------------------------------------|----------------|
| Type of top connection for modular devices    | Screw terminal |
| Type of bottom connection for modular devices | biconnect      |
| Nominal tightening torque                     | 2.80 - 2.80 Nm |

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**Connection**

|                                                                        |                        |
|------------------------------------------------------------------------|------------------------|
| Cross-section of input and output with screws, for massive conductors  | 1 - 25 mm <sup>2</sup> |
| Cross-section of input and output with screws, for flexible conductors | 1 - 16 mm <sup>2</sup> |
| Cross-section flexible conductor                                       | 16 mm <sup>2</sup>     |
| Cross-section rigid conductor                                          | 25 mm <sup>2</sup>     |

**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 7.20 W |
|---------------------------|--------|

**Use conditions**

|               |        |
|---------------|--------|
| Max. Altitude | 2000 m |
|---------------|--------|

**Endurance**

|                                        |      |
|----------------------------------------|------|
| Electric endurance in number of cycles | 2000 |
| Number of mechanical operations        | 4000 |

**Connectivity**

|                                               |                  |
|-----------------------------------------------|------------------|
| Type of connection                            | Screw terminal   |
| Top connection alignment for modular devices  | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |

**Dimensions**

|        |       |
|--------|-------|
| Height | 83 mm |
| Width  | 70 mm |
| Depth  | 70 mm |

**Sustainability**

|              |     |
|--------------|-----|
| RoHS conform | Yes |
|--------------|-----|